

ABSTRACT

The present invention provides for a satellite system that will permit for signals of two different frequencies and polarities to be transmitted simultaneously over the same cable. The system will accommodate two different 5 polarity commands from two or more different sources at the same time. The satellite system of the present invention includes a satellite dish or antenna that receives signals. These received signals are transmitted to a converter. A head-in frequency processor is coupled to the converter. This head-in frequency processor enables the different frequencies and polarities to be transmitted 10 simultaneously via a single coaxial cable. This single coaxial cable is coupled to a head-out receiver processor which is connected to a receiver. This receiver is connected to a TV or other source. This unique design and configuration provides for a system that will permit satellite broadcast reception in locations that are not in the line-of-sight path of the satellites. Accordingly, the satellite 15 system of the present invention will permit satellite broadcasting to high-rise buildings, hospitals, condominiums, schools, and the like.